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☐ [MCNC targets microfabrication and improved gas delivery. \(Microelectronics Center of North Carolina\)](#)
 Date: Oct , 1993

15/6,K/26 (Item 26 from file: 148)

 06750889 **Supplier Number:** 14535410 (USE FORMAT 7 OR 9 FOR FULL TEXT)

MCNC targets microfabrication and improved gas delivery. (Microelectronics Center of North Carolina)

Oct , 1993

Word Count: 1071 **Line Count:** 00092

...for device fabrication. These systems include piping runs, semiconductor process chambers, and exhaust systems. Using atmospheric pressure ionization mass spectrometry (APIMS) for sub-ppb gas **contamination** analysis, mathematical models are **validated** using working gas systems on MCNC's full submicron **device** line. The modeling program has successfully focused on

control of moisture, one of the most challenging aspects of **contamination** control in gas systems. Models rely on adsorption, desorption, and disassociation chemistry between moisture and container walls. Follow-up work is ongoing at Airco customer...

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☐ Recycling update: make way for more custom systems. (plastics recycling) (Industry News: Recycling)

Date: May , 1993

15/6,K/27 (Item 27 from file: 148)

06518081 **Supplier Number:** 15417577 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Recycling update: make way for more custom systems. (plastics recycling) (Industry News: Recycling)

May , 1993

Word Count: 1556 **Line Count:** 00119

...three Cumberland granulators, and aspirated with a vacuum fan to remove liberated labels and fines (about 6% by weight) .

APR has no automated PVC detection **device**, but controls PVC **contamination** by monitoring flake quality. Each gaylord of flake is **checked** by testing four core samples after granulation and again after washing. If flake is contaminated, it will be priced lower. APR says it meets customer...

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☐ PSE&G 'sniffs' for drugs, explosives with testing device. (Public Service Electric and Gas Co.)

Date: Sept , 1992

15/6,K/28 (Item 28 from file: 148)

06146891 **Supplier Number:** 12749485 (USE FORMAT 7 OR 9 FOR FULL TEXT)

PSE&G 'sniffs' for drugs, explosives with testing device. (Public Service Electric and Gas Co.)

Sept , 1992

Word Count: 652 **Line Count:** 00054

...identify problem areas where education or counseling efforts might be intensified. * Security entrance areas. Packages usually undergoing X-ray and/or manual searches might be **checked** with the **device** for explosive or other substances that other methods may not detect. * Toxic detection at sites where **contamination** is suspected.

Brown said the **instrument** might be used in "supplemental applications" to existing drug-testing programs.

All commercial nuclear facilities, including PSE&G's Salem nuclear plant, follow Nuclear Regulatory...

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☐ SEMICONDUCTOR RESEARCH

Date: October 29, 1991

15/6,K/29 (Item 29 from file: 810)

0249948 BW006

SEMICONDUCTOR RESEARCH : SRC announces 10-year plan to support factory-automation research

October 29, 1991

...to provide material to interested editors for feature stories on

additional research roadmaps for the next decade (1992-2001)
developed by the SRC:

- 1 - Semiconductor **DEVICE** AND TECHNOLOGY research roadmap.
- 2 - Semiconductor METROLOGY AND **CONTAMINATION** CONTROL.
- 3 - Semiconductor CIRCUIT DESIGN, SYNTHESIS, AND **VERIFICATION**.
- 4 - Semiconductor TECHNOLOGY CAD.
- 5 - Semiconductor LITHOGRAPHY, PLASMA ETCH AND DEPOSITION.
- 6 - ELECTRONIC PACKAGING.

Inquiries are invited from editors desiring material on the above topics...

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☐ Returnable PET bottles a success for Coca-Cola. (polyethylene tartrate)

Date: Feb 20 , 1991

15/6,K/30 (item 30 from file: 148)

05168373 **Supplier Number:** 10648703 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Returnable PET bottles a success for Coca-Cola. (polyethylene tartrate)

Feb 20 , 1991

Word Count: 352 **Line Count:** 00026

...being extended.

Two specially developed inspection systems from Swiss company Soudronic AG have been installed by Ringnes. One uses u/v light and a [sniffer] **device** to detect possible **contamination**, the other **checks** for volume changes which may occur if the pressurised bottles have been exposed to high temperatures.

Bottles, produced by Continental PET, carry a 2-kroner...

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☐ Recorder predicts circuit breaker maintenance. (electric utility Southern California Edison's computer based recording unit)

Date: April , 1990

15/6,K/31 (item 31 from file: 148)

04634592 **Supplier Number:** 08927627 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Recorder predicts circuit breaker maintenance. (electric utility Southern California Edison's computer based recording unit)

April , 1990

Word Count: 1325 **Line Count:** 00109

...expenditures.

Prior methods

Present industry techniques gather performance data through periodic tests. Different types of instrumentation are temporarily attached, mechanically and/or electrically, to the **apparatus**, which usually requires deenergizing the equipment.

Tests to **check** contact resistance, insulation quality, interrupter travel and speed, **contamination** of insulating or interrupting medium mechanism integrity are time consuming and the results often are limited in diagnostic value.

One of the better methods for...

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☐ Success story: SMS and the VAB: the way is clear for further models. (Societe des Matériels Speciaux; Vehicule de l'Avant Blinde)

Date: April-May , 1990

15/6,K/32 (Item 32 from file: 148)

04591059 **Supplier Number:** 09047071 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Success story: SMS and the VAB: the way is clear for further models. (Societe des Materiels Speciaux; Vehicule de l'Avant Blinde)

April-May , 1990

Word Count: 1717 **Line Count:** 00134

...launcher vehicle.

The French Army is planning to acquire 54 VAB/NBCs around 1995. The vehicles are equipped with a probe, a spectrometer, a sampling **device** for liquids and solids, a navigation system, marking pegs, and various devices for **checking** the level of chemical **contamination** and radioactivity inside the vehicles.

The above equipment would be installed in a VAB NG (New Generation) which is to be presented to the public...

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☐ Particle control in the construction of a 1 Mbit DRAM gas distribution system.

Date: Nov , 1989

15/6,K/33 (Item 33 from file: 148)

04156576 **Supplier Number:** 08223453 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Particle control in the construction of a 1 Mbit DRAM gas distribution system.

Nov , 1989

Word Count: 3704 **Line Count:** 00307

...were subjected to calibration change due to shock from numerous movements around the site. The noncleanroom environments contaminated the instruments. It was necessary to frequently **verify** sampling/**instrument** system background counts using membrane point-of-use filters to provide a particle free zero gas. When **contamination** occurred, time consuming on-site cleaning was required which often led to a need for off-site repair. The newly developed "passive" cavity counters should...

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☐ ETECTS ARSINE IN PHOPYLENE

Date: August 28, 1989

15/6,K/34 (Item 34 from file: 160)

02348723

DETECTS ARSINE IN PHOPYLENE

August 28, 1989

...directly measure trace quantities of arsine in propylene is now available from MOA Scientific, Inc. A continuous, on-line system, the Model 8500 Process Gas **Analyzer** permits **verification** of propylene purity without time-consuming lab analysis. The Model 8500 detects arsine **contamination** levels as low as 5 PPB (parts-per-billion). Analysis time is 60 seconds or less. A Chemcassette-based system, the Model 8500 will not...

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☐ [Kanebo Develops Device for Automatic Inspection of Freeze-Dried Injection Preparations Vials](#)

Date: May 19, 1989

15/6,K/35 (Item 35 from file: 160)

02223269

Kanebo Develops Device for Automatic Inspection of Freeze-Dried Injection Preparations Vials

May 19, 1989

Kanebo, Ltd. (3102) has developed the "Vial Video Inspection System VVIS-XX," an automated imaging system for inspection of freeze-dried injection preparations. The **device** automatically **checks** small vials for cracks and **contamination**, performing the work of 25 human operators. The VVIS-XX consists of a computer, a camera, and an optic fiber-based illumination device that allows...

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☐ [Fuji Systems to Market Laboratory-Use Membrane Filters Developed by US Company Gelman Sciences](#)

Date: January 30, 1989

15/6,K/36 (Item 36 from file: 160)

02126427

Fuji Systems to Market Laboratory-Use Membrane Filters Developed by US Company Gelman Sciences

January 30, 1989

...been marketing Gelman's "clinical-use" membrane filters since 1977. The new "laboratory-use" products cover a wider range of applications, including sample separations, bacterial **contamination checks**, and quality control procedures for R&D in areas such as food processing, cosmetics production, and electronic **device** manufacture. The filters are made from various materials, including polyethylene tetrafluoride, vinylidene fluoride, polypropylene, polysulfone, nylon, vinyl chloride, acrylic copolymer, cellulose, and glass fiber.

Fuji...

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☐ [Elmex Marketing Automatic Bacteria Culturing System](#)

Date: July 13, 1988

15/6,K/37 (Item 37 from file: 160)

01983281

Elmex Marketing Automatic Bacteria Culturing System

July 13, 1988

Elmex Co., Ltd. has begun marketing the "Promedia AP-211," an automatic culturing system for use by food processors and other companies concerned with **checking** samples for bacterial **contamination**.

The **device** automatically conducts all steps from filling Petri dishes with growth media to placing the dishes on racks for culturing. In one hour, the device can...

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☐ [ikkoshi Develops Device for Identifying Metals](#)

Date: June 24, 1988

15/6,K/38 (Item 38 from file: 160)
01972715

Nikkoshi Develops Device for Identifying Metals

June 24, 1988

...simply touching the device's probe to the surface of metal materials such as wires, the types of materials contained within can be determined. The **device** can be used in a wide range of applications such as **checking** for **contamination** with foreign materials, inspection of products prior to shipment or acceptance, quality control, material **checks** for replacement, and in heat treatment and tempering processes.

The **device** is priced at 270,000 yen per, and the company anticipates sales of 200 units in the first year.

COMLINE NEWS SERVICE, Sugetsu Building, 3...

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☐ [outhwest Research Institute \(SwRI\), in cooperation with the U.S. Army, has developed a portable "captured" fuels test kit that will enable soldiers who are iso](#)

Date: February 19, 1988

15/6,K/39 (Item 39 from file: 160)
01907563

Southwest Research Institute (SwRI), in cooperation with the U.S. Army, has developed a portable "captured" fuels test kit that will enable soldiers who are iso

February 19, 1988

...SwRI. Previous Army work and experience demanded that the device be portable and simple to operate. These requirements led to the design of a lightweight **instrument** that measures the density and viscosity of the fuel. A visual **check** for **contamination** is also part of the testing criteria.

Full text available on PTS New Product Announcements.

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☐ [ETECTS ARSINE IN PROPYLENE](#)

Date: August 14, 1987

15/6,K/40 (Item 40 from file: 160)
01807715

DETECTS ARSINE IN PROPYLENE

August 14, 1987

...directly measure trace quantities of arsine in propylene is now available from MDA Scientific, Inc. A continuous, on-line system, the Model 8500 Process Gas **Analyzer** permits **verification** of propylene purity without time-consuming lab analysis. The Model 8500 detects arsine **contamination** levels as low as 5 PPB (parts-per-billion). Analysis time is 60 seconds or less. A Chemcassette-based system, the Model 8500 will not...

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☐ IGH VOLTAGE HIGH IMPEDANCE VOLTMETER FOR INDUSTRIAL POWER MEASUREMENT, UNDERGROUND AND OVERHEAD

Date: June 17, 1987

15/6,K/41 (Item 41 from file: 160)
01737547

HIGH VOLTAGE HIGH IMPEDANCE VOLTMETER FOR INDUSTRIAL POWER MEASUREMENT, UNDERGROUND AND OVERHEAD

June 17, 1987

...available for use with the voltmeters include a solid state AC voltage source for testing and calibrating the voltmeters and probes, a Megmeter tm testing **device** for **checking** voltage test point **contamination** and insulation leakage resistance up to 2000 megohms at 500V DC, and collapsible Hotsticks which fit into the rugged VM carrying case. Various adaptors creating...

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☐ Photo Acoustic Technology Inc. will be the recipient of the 1985 I-R 100 award for the Acoustic robot-vision system.

Date: Aug 22 , 1985

15/6,K/42 (Item 42 from file: 148)
02501035 **Supplier Number:** 03903753 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Photo Acoustic Technology Inc. will be the recipient of the 1985 I-R 100 award for the Acoustic robot-vision system.

Aug 22 , 1985

Word Count: 225 **Line Count:** 00019

...design, development, manufacture and marketing of robot vision systems and industrial quality inspection instruments.

The company currently markets the OP1000 Surface Quality Monitor, a portable **instrument** used primarily for **checking** surface cleanliness/**contamination** for bonding, coating, painting and other applications where success of subsequent operations depends on the initial chemical nature of the surface. The primary markets for...

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☐ Three Mile Island plant now safe for workers to enter without respirators.

Date: June 28 , 1984

15/6,K/43 (Item 43 from file: 148)
02045578 **Supplier Number:** 03326217 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Three Mile Island plant now safe for workers to enter without respirators.

June 28 , 1984

Word Count: 405 **Line Count:** 00033

...of each workday by a radiological controls technician. That survey typically takes 20 to 30 minutes and consists of walking through the building with an **instrument** to **check** radiation levels. Work involving more activity, such as the use of tools, tends to increase levels of airborne **contamination** in the immediate area by stirring up dust in the building.

This morning's survey -- part of the 396th entry at TMI-2 -- was made

...

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☐ gricultural safeguards for irrigation systems are proposed by NACA.

Date: March 26, 1984

15/6,K/44 (item 44 from file: 160)

01008780

Agricultural safeguards for irrigation systems are proposed by NACA.

March 26, 1984

...agrochemicals applied through irrigation systems at the request of the National Agricultural Chemicals Association. Labeling language would require the installation and use of antisiphon and **check** valves to prevent water-source **contamination**. Use of interlocking controls between the chemical metering **device** and the water supply pump to ensure simultaneous shutoff of both systems would be recommended. NACA suggests that its members include language requiring the antiback...

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☐ Bacteria- **checker**. developed for metal cutting fluids: A new **device**. designed to rapidly and simply **check**. the level of bacteria **contamination**. in water-miscible metalworking fluids has been developed by Biosan Laboratories Inc (Ferndale, Mich), in conjunction with Ames Co, a division of Miles Laboratories Inc.

Date: January 12, 1976

15/6,K/45 (item 45 from file: 160)

00324682

Bacteria-**checker** developed for metal cutting fluids: A new **device** designed to rapidly and simply **check** the level of bacteria **contamination** in water-miscible metalworking fluids has been developed by Biosan Laboratories Inc (Ferndale, Mich), in conjunction with Ames Co, a division of Miles Laboratories Inc.

January 12, 1976

Bacteria-**checker** developed for metal cutting fluids: A new **device** designed to rapidly and simply **check** the level of bacteria **contamination** in water-miscible metalworking fluids has been developed by Biosan Laboratories Inc (Ferndale, Mich), in conjunction with Ames Co, a division of Miles Laboratories Inc.

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